

1.12	GUN HEATERS	1.811	.Having umbilical-separating means
1.13	MINE-DESTROYING DEVICES	1.812	.Having safety devices for preventing premature ignition or launching
1.15	WELL PERFORATORS	1.813	.Having rocket-firing means
1.151	.Method of making	1.814	..Rocket propellant ignited by electrical means
1.16	ENGINE STARTERS	1.815	.Movable launcher
1.2	SMOKE OR RESIDUE EJECTOR	1.816	.Having tubular guide means
1.25	LUBRICANT INJECTOR	1.817	..Including a forward closure
1.34	LINE THROWING	1.818	..Including an auxiliary rocket-launching charge
1.35	TRENCH MORTARS	1.819	.Having guide means
1.3	MUZZLE LOADING	1.82	.Method of making
1.42	GUN HANDLES	5	SUBMARINE
1.51	BOMB, FLARE AND SIGNAL DROPPING	125	AUTOMATIC
1.52	.Drop grenade	126	.Plural gun, barrel or bore
1.53	.Sway braces	127	..Firing control
1.54	.Bomb displaced from exterior of plane	128	.Convertible gun operation (e.g., to nonautomatic)
1.55	.Arming device	129.01	.Regulation of speed or rate of automatic fire
1.56	.Electrical and radio releases and sighting	129.02	..By regulating burst
1.57	.Explosive releases	130	..By regulating time of return of breech block
1.58	.Shackles	131	..By regulating time of release of hammer
1.59	.Racks	132	.Firing device operation or control (e.g., full automatic)
1.6	.Timing devices	133	..Synchronizers
1.61	.Sighting	134	..Disabled at predetermined angles of fire
1.7	RECOILLESS GUN	135	..Electrical
1.701	.Having a reaction mass	136	..Triggers and/or remote control
1.702	..Barrel parts separable for loading	137	..Interlocks between firing and cartridge feeding
1.703	.Having pressure-control means	138	...Locks bolt open
1.704	.Having breech closure	139	..Semi-automatic (e.g., double sear)
1.705	..Closure has firing device	140	...Convertible to full automatic
1.706	..Cartridge-case closure	141	....Breech block, barrel or hammer disconnected
1.8	ROCKET LAUNCHING	142	....With selective safety device
1.801	.Having rocket-storage and transfer means	143	...Alternate control of hammer and breech block or barrel
1.802	..Launcher movable relative to storage means	144	...With means for disconnecting trigger and sear
1.803	..Having magazine-gate means to feed and support rocket for launching	145	....By breech block or barrel motion
1.804	..Storage means movable to facilitate launching	146	....Hammer disconnected
1.805	.Having means to transfer rocket to launcher	147	...Hammer cocked and released by trigger
1.806	.Having means restraining rocket from movement in launching direction		
1.807	..Including rocket-firing means		
1.808	..Rocket spin stabilized while restrained		
1.809	.Underwater launching		
1.81	..Rocket launched from container		

148	..With selective safety device	184	..Nonrectilinear breech block motion (e.g., tilting rotary)
149	..With automatic sear or sear release	185	...Rotary and sliding
150	..With automatic sear or trigger safety	186	..Nonaxial, rectilinear, breech block motion
151	..With automatic hammer	187.01	..Sliding locking member
152	...Operates breech lock	187.02	...Cylindrical or ball bearing
153	..Operates breech lock	188	..Rotary locking member
154	..With automatic hammer cocking and/or safety means	189	..Toggle locking member
155	..Movable chamber type (e.g., revolver)	190	..Pivoted locking member
156	..Operating as gas piston and/or recoil member	191.01	.Gas piston type
157	..Recoiling barrel with revolving chambers	191.02	..Annular piston
158	..Movable butt piece	192	..Gas piston compresses breech opening spring
159	..Combined movable barrel and gas operated	193	..Gas ports and/or regulators
160	..Movable barrel (e.g., rotary)	194	.Blow back breech block
161	..Forwardly movable	195	..Pistol grip magazine
162	..Rearwardly movable	196	...Breech slide type
163	...Barrel having motion in addition to axial, rectilinear	197	..Box magazine
164	...With breech lock latch	198	.Buffers and brakes
165	...Long recoil	199	.Receiver closures and/or breech block return means
166	....Nonrectilinear breech block motion	4.05	EXPLOSION OPENED BREECH
167	....Nonaxial rectilinear breech block motion	4.1	.Rotary breech block
168	....Pivoted locking member or toggle lock	4.2	.Transverse sliding breech block
169	...With accelerator and/or unlocking lever for breech mechanism	4.5	.Blow back breech block
170	...With barrel latch	6	FUSE SETTERS
171	..Nonrectilinear breech block motion (e.g., tilting rotary)	6.5	.Combined with projecting, launching or releasing devices
172	....Rotary and sliding	7	PNEUMATIC
173	...Sliding locking member	8	.Explosive charge
174	...Rotary locking member	9	ACCELERATING
175	...Toggle locking member	11	MACHINE GUNS
176	...Pivoted locking member	12	.Axially moving breech block
177	..Barrel buffers and brakes	13.05	.Revolving barrels
178	..Barrel return means	13.1	.Revolving cylinders
179	..Gas piston-type lock actuator carried by breech block (e.g., firing pin)	14.1	..Nonparallel bores
180	..Breech block lock (positive or impositive)	14.05	MULTIPLE BARREL GUNS
181	..With latch	14.1	BARRELS
182	..Inertia member released lock	14.2	.With heat exchanger
183	...Blow back initiated	14.3	.Flash shield
		14.4	.Recoil absorbers and climb arrestors
		14.5	.Silencers
		14.6	.Recoil increasers
		15	.Sabot strippers
		16	.Wound
		14.7	.Composite
		14.8	.Lining, rifling, or making
		17	.Method of making multibore barrel
		18	BREECH CLOSURES
			.Key locked

19	.Screw	36.17	.With explosive device
20.2	..Interrupted	37.01	MOUNTS
20.4	...Motor operated	37.02	.Anti-aircraft
21	...Fixed ammunition	37.03	.Light machine gun type
22	.Transverse	37.04	.Rifle and pistol mounts
23	..Sliding and swinging	37.05	.Mortars
24	..Sliding	37.06	.Submarine
25	..Swinging	37.07	.Trunnion
26	.Gas checks	37.08	.Counterbalances
27.11	FIRING	37.09	.Leveling
27.12	.Safety	37.11	.Locks
27.13	.Primer fired	37.12	.Spherical or oval bearing gun support
27.14	.Percussion firing	37.13	.Bases
27.3	.Gun firing actuators	37.14	.Reciprocating mounts
28.05	.Electric	37.15	.With body protecting devices
28.1	..Electrical and mechanical	37.16	.Aircraft type
28.2	..Training and firing	37.17	..Power operated
29	PRACTICE BARRELS	37.18	..On engine
30	VENTS AND STOPPERS	37.19	..On aircraft wing
31	TOMPIONS AND VALVES	37.21	..Retractable gun turret
33.01	CARTRIDGE FEEDING	37.22	..Multiple guns on mount
33.02	.Drum magazine	38	.Disappearing gun
33.03	.Movable chamber	39	..Counterpoise
33.04	.Selective feed	40.01	.For field use
33.05	.With rammer separated breech block	40.02	..Wheeled mortars
33.1	.With magazine	40.03	..On armored car
33.14	..Belt feed	40.04	..Nonshielded motor driven guns
33.16	...With rotary feeder	40.05	..On sleds
33.17	..With rotary feeder	40.06	..On tripods (i.e., for light guns)
33.2	.Belt feed	40.07	..Libers and caissons
33.25	..With rotary feeder	40.08	..With hitches and couplings
33.4	.Empty shell receivers	40.09	..With training spades
33.5	.Cartridge feeding auxiliary feeder	40.11	..Carriage suspended for firing
34	.Holders	40.12	..Traveling locks
35.01	.Belts	40.13	..By separate transport carriage
35.02	..Disintegrating type	40.14	..Components are separable for transport
36.01	SHIELDS	40.15	..Trail carriages and links
36.02	.Shape or composition	40.16	..Railroad type
36.03	.Rotating shield	41.01	.Training mechanisms
36.04	.For fixed structure	41.02	..Motor operated
36.05	.Body	41.03	...Predetermining parameters for automatic firing
36.06	.Small arms attached	41.04	...Eliminates lag or overrun
36.07	.Transportable	41.05	...By television monitoring
36.08	..Self-propelled, e.g., tanks	41.06	...By light reception
36.09	..Wheeled	41.07	...By radar
36.11	.For aircraft	41.08	...By sound
36.12	.For ships	41.09	...Gyroscopically or pendulum controlled
36.13	.Turret type	41.11	...Compensates for trunnion tilt
36.14	..With vision slit or gun port closures	41.12	...By hydraulic means
36.15	.On elevatable platform		
36.16	.Anti-aircraft type		

- 41.13 ...For scattering effect
- 41.14 ...For naval gun fire control
- 41.15 ...With unitary control for plural motors
- 41.16 ..For relatively movable gun barrels
- 41.17 ..Aiming device mounted on gun
- 41.18 ..For limiting the field of fire
- 41.19 ..Sights or line devices
- 41.21 ...On aircraft
- 41.22 ...For anti-aircraft
- 200 ...Straight-line light ray type
- 201Accelerometer stabilized or factored
- 202Gyroscopically stabilized
- 203Self adjusting gun movement compensator
- 204Compensates for moving target
- 205And moving craft or gun platform
- 206Compensates for trunnion tilt
- 42.01 .With recoil check
- 42.02 ..On trail spade
- 42.03 ..Fire-out-of-battery type
- 43.01 ..Fluid
- 43.02 ...With function of elevation
- 44.01 ..Spring type
- 44.02 ...Elastic type
- 45 **LOADING**
- 46 .Hoisting apparatus
- 47 .Rammers
- 1.11 **WAGING WAR**
- 1.14 **EXPLOSIVE OPERATED APPARATUS**
(E.G., EXPLOSIVE DOOR HINGE,
TOOL EXPLOSIVELY ACTUATED,
BAND RELEASE, EXPANSION OF
TUBE, CABLE CUTTER,
EXPLOSIVELY OPERATED SPLITTING
WEDGES)
- 1.4 **CHARGING MECHANISMS FOR GUNS**
- 1.1 **MISCELLANEOUS**

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS